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TECHNICAL DATA SHEET

Vulkem® 350FC/950NF/951NF

Manufacturer: Tremco CPG Inc.

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TECHNICAL DATA SHEET

VULKEM® 350FC/ 950NF/951NF

Two-Component, Elastomeric,
Waterproof Traffic Deck Coating
System

PRODUCT DESCRIPTION

Vulkem® 350FC/950NF/951NF is a two-component, polyurethane traffic deck coating system composed of a base coat (350FC), heavy duty intermediate coat (950NF) and a top coat (951NF). This unique waterproofing system is designed to have tenacious adhesion, extreme impact and abrasion resistance along with remarkable chemical stability. The elastomeric properties of the system's components enable the complete assembly to give a dn work with the concrete slab, bridging the shrinkage cracks.

Vulkem 350FC Base Coat is a two-component, fast-curing, VOC-compliant, chemically-curing urethane membrane that bonds firmly to clean, dry, and prepped concrete and metal surfaces. It retains its integrity even if substrate movement causes hair-line cracks of up to 1/16" (1.5 mm). Vulkem 350FC will prevent water migration between itself and the substrate and is compatible with all of Tremco's urethane intermediate and top coats.

Vulkem 950NF Intermediate Coat is a two-component urethane that is applied after the Vulkem 350FC Base Coat has cured. The intermediate coat is loaded with aggregate to give the system excellent impact, abrasion and chemical resistance.

Vulkem 951NF Top Coat is an aliphatic, low-VOC, two-component polyurethane that is applied after the Vulkem 951NF intermediate coat has cured. Interlaminar adhesion to Vulkem 950NF is exceedingly strong. The top coat affords excellent abrasion resistance, UV stability and chemical resistance to complete this Vulkem Traffic Deck Coating System.

BASIC USES

Vulkem 350FC/950NF/951NF is a cold-applied traffic deck coating system designed for waterproofing concrete slabs and protecting occupied areas underneath from water damage. Additionally, the system will protect the concrete from the damaging effects of water, deicing salts, chemicals, gasoline, oils, and anti-freeze.

SEALANT • WATERPROOFING & RESTORATION INSTITUTE	SEALANT • WATERPROOFING & RESTORATION INSTITUTE
Issued to: Tremco CPG Inc. Product: Vulkem® 350FC/Vulkem 951NF	Issued to: Tremco Incorporated Product: Vulkem 360 NF Basecoat & Vulkem 951 NF Topcoat
ASTM D 412: Tensile Strength of Top Coat Vulkem® 951NF Topcoat Tensile Strength: 4,392 psi; Elongation: 258% Pass ✓	ASTM D 412: Tensile Strength of Top Coat Vulkem 951 NF Topcoat Tensile Strength: 5,394 psi; Elongation: 294% Pass ✓
ASTM D 4541: Adhesion of Base Coat Vulkem® 350FC SL Pull-off Adhesion: 472 psi Pass ✓	ASTM D 4541: Adhesion of Base Coat Vulkem 360 NF Basecoat Pull-off Adhesion: 363 psi Pass ✓
ASTM D 4060: Abrasion Resistance of Top Coat Vulkem® 951NF Abrasion Resistance: 12 mg loss – mg loss/1,000 cycles Pass ✓	ASTM D 4060: Abrasion Resistance of Top Coat Vulkem 360 NF Basecoat Abrasion Resistance: 20 mgms loss – mgms loss/1,000 cycles Pass ✓
Validation Date: 2/10/23 – 2/09/28	Validation Date: 04/27/22 – 04/26/27
No. VUL350–VUL951 Copyright © 2023	No. 422–VUL360 Copyright © 2022
DECK COATING VALIDATION www.swrionline.org	DECK COATING VALIDATION www.swrionline.org

FEATURES & BENEFITS

- Fast cure through time allows for use 24 hr after installation.
- Mildew and fungus resistance safeguards concrete surfaces against environmental contaminants.
- Excellent durability and UV resistance extends the useful life of vehicular systems.

- Recoatable and compatible with other Tremco sealants and expansion joints, which enhance waterproofing protection with full system compatibility.

AVAILABILITY

Immediately available from your local Tremco Sales Representative, Tremco distributor, or warehouse.

PACKAGING

Vulkem 350FC: Total of 4.6 gal kit – Part A: 3.85 gal (14.6 L) in a 5-gal (18.9-L) pail, Part B: 0.71 gal (2.7 L) in a 1-gal pail.

Vulkem 950NF: Total of 4.2 gal kit – Part A: 3.25 gal (12.3 L) in a 5-gal (18.9-L) pail, Part B: 0.95 gal (0.6 L) in a 1-gal pail.

Vulkem 951NF: Total of 4.6 gal kit – Part A: 3.75 gal (14.2 L) in a 5-gal (18.9-L) pail, Part B: 0.85 gal (3.2 L) in a 1-gal pail.

COLORS

Vulkem 951NF is available in Beige, Gray, Limestone, Black, and Slate Gray. Made-to-order and special colors are available upon request.

LIMITATIONS

- All surfaces must be sound, clean, dry, and free from contamination. A thorough wire brushing, grinding, sandblasting, or solvent cleaning may be required to expose clean, sound, virgin surfaces.
- Only Vulkem Primer #171, Vulkem Primer 191, or TREMprime Non-Porous Primer are used with this product.
- Any questions regarding drying times, coverage rates, and unique application techniques regarding the individual primers should be directed to Tremco Technical Services or your local Tremco Sales Representative.
- Do not apply over contaminated or damp surfaces.
- Product must be coated in 24 hours or less, otherwise cleaning and priming will be necessary.
- Do not thin.

WARRANTY

A repair or replacement warranty is available on all Tremco products. Visit <https://www.tremcosealants.com/warranties/> for details.

TYPICAL PHYSICAL PROPERTIES				
PROPERTY	TEST METHOD	VULKEM 350FC	VULKEM 950NF	VULKEM 951NF
% Solids (by weight)	ASTM D1353	80%	99%	80 to 85%
Drying Time @ 75 °F, 50% RH	ASTM D1640	25 mil film, 3 to 4 hr	12 mil film, 2 to 4 hr	12 mil film, 2 to 4 hr
Open to vehicular traffic		N/A	N/A	24 hr after cure
Weathering	ASTM D822	N/A	N/A	No effect
Salt Spray	ASTM B117	N/A	No effect	No effect
Viscosity	Brookfield C&P	2500 cps	2000 cps	2500 cps
Elongation	ASTM D412	>500%	100%	145%
Tensile Strength	ASTM D412	>3500 psi	4200 psi	4500 psi
Adhesion-in-Peel	ASTM C794	>20 pli	N/A	N/A
Adhesion (Peel Strength)	ASTM D903	30 pli, substrate failure	100% cohesive failure	100% cohesive failure
Abrasion Resistance (1000 cycles)	ASTM D4060	N/A	70 mg	33 mg

TYPICAL PHYSICAL PROPERTIES

Accelerated Aging*	ASTM D573	N/A	No loss of elongation or tensile strength	No loss of elongation or tensile strength
Tear Strength	ASTM D643	>250 pli	250 pli	480 pli

Please refer to our website at www.tremcosealants.com for the most up-to-date Product Data Sheets.

NOTE: All Tremco Safety Data Sheets (SDS) are in alignment with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) requirements.

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Tremco Construction Products Group (CPG) brings together Tremco CPG Inc. and its Dryvit and Nudura brands; Willseal; Prebuck LLC; Tremco Barrier Solutions, Inc.; Weatherproofing Technologies, Inc. and its Pure Air Control Services and Canam Building Envelope Specialists offerings; and Weatherproofing Technologies Canada, Inc.



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